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**OFFICE, CHIEF OF ORDNANCE  
RESEARCH AND DEVELOPMENT SERVICE**

**REVISED SUMMARY**

**ROCKET AND ROCKET LAUNCHER PROJECTS**

**1 JULY 1945**



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NOTE: Classification under "Status".

- (1) Experimental Type: Articles which are under development and have not progressed to the stage where engineering tests have indicated that the article has sufficiently satisfactory military characteristics to warrant service test preparatory to standardization.
- (2) Service Test Type: Articles which have progressed beyond the experimental stage, which appear to have the desired military characteristics, which have operated satisfactorily in engineering tests and which have been approved for service test preparatory to standardization.
- (3) Limited Procurement Type: Articles which have passed engineering and service tests favorably and appear to be suitable for service use but, before adoption as "Standard" articles, require refinement in design or further use in hands of troops to determine definitely their suitability.

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"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
	M1	LAUNCHER, ROCKET, 2.36"	2.36"	1(tube)	Shoulder weapon	Operator
	M1A1	LAUNCHER, ROCKET, 2.36"	2.36"	1(tube)	Shoulder weapon	Operator
T21E1	M9	LAUNCHER, ROCKET, 2.36"	2.36"	1(tube)	Shoulder weapon	Operator
	M9A1	LAUNCHER, ROCKET, 2.36"	2.36"	1(tube)	Shoulder weapon	Operator
	M18	LAUNCHER, ROCKET, 2.36"	2.36"	1(tube)	Shoulder weapon	Operator

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## 2.36" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
Operator	Peep sight	Elect. (Dry Cell Battery)	Single tube shoulder weapon operated by one man firing and one man loading. Ground to ground firing of Rocket 2.36" M6 & M7 only.	Obsolete	Major Uhl
Operator	Peep sight	Elect. (Dry Cell Battery)	Same as M1 Launcher except: 1. Contact box removed & firing mechanism altered. 2. Forward hand grip removed. 3. Blast screen placed on missile end. 4. Rear end of tube wire wrapped. Ground to ground firing of all 2.36" Rockets, except M6 & M7.	Obsolete	Small Arms Dev. Div.
Operator	Optical ring sight or hori- zontal folding bar sight.	Elect. (magne- to)	Similar to M1A1 Launcher except: 1. Improved sights. 2. Coupled in center of tube so can be broken down into 2 lengths 31" long. Same employment as M1A1 Launcher.	Limited Standard	Small Arms Dev. Div.
Operator	Optical ring si- ght or horizontal folding bar sight.	Elect. (Magne- to)	Same as M9 Launcher except improved coupling and wire wrapped rear section to better withstand rough usage.	Limited Standard	Small Arms Dev. Div.
Operator	Optical ring si- ght or horizontal folding bar sight.	Elect. (Magne- to)	Similar to M9A1 Launcher but constructed of aluminum ex- cept for a few minor parts. Weighs 10.3# as against 15.6# for the M9A1.	Standard	Small Arms Dev. Div.



## 3.25" ROCKET LAUNCHERS

"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T1		LAUNCHER, ROCKET, MULTIPLE, 3.25"	3.25"	9(rails)	4-wheel- ed trailer	Manual 360°
T1E1		LAUNCHER, ROCKET, MULTIPLE 3.25"	3.25"	9(rails)	4-wheel- ed trail- er	Manual 360°
	M1	PROJECTOR, ROCKET, TARGET	3.25"	1(rail)	2-wheel- ed trail- er	Manual by traversing trailer.
T16		LAUNCHER, ROCKET, 3.25"	3.25"	1(tube)	Tripod	None
T23		LAUNCHER, ROCKET, 3.25"	3.25"	1(tube)	Wheeled Carriage mount.	None. By moving launcher.
T24		LAUNCHER, ROCKET 3.25"	3.25"	1(tube)	Bipod	None. By Operator

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## 3.25" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
Manual 15° to 65°	Direct fire tele- scope.	Elect. Single or ripple fire.	Ground to ground launcher intended for firing 3.25" British type rockets against ground targets.	Canceled	Lt. Col. Bailey
Manual 15° to 65°	Direct fire tele- scope	Elect. remote control.	Same as T1 Launcher except remote control firing. Same employ- ment as T1 Launcher.	Canceled	Lt. Col. Bailey
0° to 60°	Direct or in- direct firing.	Elect.	For launching Rocket, Target, A.A., 3.25" to simulate flight of aircraft. Light mobile trailer for towing.	Standard	Major Uhl
None	Polaroid Sight.	Per- cussion.	Single steel tube. Provided w/shields. Intended for ground to ground firing Rockets, HE, 3.25" against point targets.	Canceled	Capt. Staver
----	----	----	Intended for ground to ground firing Rocket, HE, 3.25" against point targets. Single steel tube provided w/ shields light-weight to break down into 3 loads not more than 100 lbs. ea.	Canceled	Lt. Col. Bailey
None. By operator	Simple direct.	Percus- sion or elect.	Ground to ground against point targets. Single steel tube provided with shields.	Canceled	Lt. Col. Bailey

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"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVEL
T24E1		LAUNCHER, ROCKET, 3.25"	3.25"	1(tube)	Bipod	None. By Operator
T25		LAUNCHER, ROCKET, MULTIPLE 3.25"	3.25"	24 (tubes)	Truck or Ground.	None. By moving launcher.

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# 3.25" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
None. By Operator	Simple direct	Percus- sion or elect.	Similar to T24 Launcher except "tube within a tube" designed to reduce blast effect. No shields. Same employment as T24 Launcher.	Canceled	Lt. Col. Bailey
-5° to 45°	Indirect fire.	Elect.	Intended for ground to ground firing Rocket, HE, 3.25" for barrage purposes.	Canceled Before any launchers procured account no require- ment.	Lt. Col Bailey

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## 4.5" ROCKET LAUNCHERS

Item No.	Item No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T2 & T4		LAUNCHER, ROCKET, AUTOMATIC, AIRCRAFT, 4.5"	4.5"	1(tube) 12 rds. auto.	A20A aircraft under-neath fuselage.	None. By pointing aircraft.
T3		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheeled carriage w/split trail.	60° Manual hand wheel.
T17		LAUNCHER, ROCKET, MULTIPLE, AA, 4.5"	4.5"	4(tubes)	Truck or ground	360°
T18		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheeled carriage w/split trail.	60° Manual (hand wheel)
T18E1		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheeled carriage w/split trail.	60° Manual (Hand wheel)
T18E2		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheeled carriage w/split trail.	60° Manual (hand wheel)

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## 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
None. By pointing aircraft.	Aircraft	Elect.	T2 is for right hand installation & T4 is for left hand installation. Pilot models made up for studies as to feasibility of installing automatic launchers on aircraft. Steel tube & heavy indexing mech.	Canceled	Lt. Col. Bailey
-5° to 45°	Panoramic Telescope.	Per-cussion	Intended for ground to ground firing 4.5" Rockets against point targets.	Canceled. (superseded by T18 Launcher)	Lt. Col. Bailey
15° to 80°	Direct	Elect.	Intended to fire 4.5" Rockets at rate of 60 rds./min. for anti-aircraft use.	Canceled	Lt. Col. Bailey
-5° to 45° hand wheel.	Panoramic Telescope.	Per-cussion	Same as T3 Launcher except lighter weight carriage. Same employment as T3 Launcher.	Canceled (superseded by T18E1)	Lt. Col. Bailey
-5° to 45° hand wheel	Panoramic Telescope.	Per-cussion	Same as T18 Launcher except door hinges & firing mechanism strengthened. Same employment as T3 Launcher.	Canceled (superseded by T18E2)	Lt. Col. Bailey
-5° to 45° hand wheel.	Telescope	Per-cussion	Launcher is result of modification of T3, T18, & T18E1 Launchers. Same employment as T3 Launcher.	Canceled	Lt. Col. Bailey

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T No.	M No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T19		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheel carriage w/trail.	60° w/hand wheel.
T20		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheel carriage w/trail.	60° w/hand wheel.
T22		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Base & trails, 2 small wheels fold to drop from aircraft.	60° w/hand wheel.
T26		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	H1-speed 2-wheel 3 parts for shipping.	60° w/hand wheel.
T27		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	8(tubes)	Ground or truck	None. By pointing launcher or vehicle.
T27K1		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	8(tubes)	Ground or truck.	None. By pointing launcher or vehicle.

# 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +45° w/hand wheel.	Telescope M6	Elect.	Ground to ground firing against point targets. Provided w/shields.	Cancelled	Lt. Col. Bailey
-5° to +30° w/hand wheel.	Telescope M6	Elect.	Same as T19 Launcher except max. elevation of +30°.	Cancelled	Lt. Col. Bailey
-10° to +30°	Telescope	Percussion or Elect.	Provided with shields. Ground to ground against point targets.	Cancelled	Lt. Col. Bailey
-15 to +45 w/hand wheel	Telescope & mount for direct or indirect	Percussion or Elect.	Ground to ground firing against point targets. Provided w/shields.	Cancelled	Lt. Col. Bailey
-5° to +45° w/hand wheel.	Telescope M6	Elect. Single or ripple fire.	Ground to ground firing of 4.5" Rockets, M6 series and T22 against personnel and lightly fortified area targets.	Cancelled after 500 produced under limited procurement (Superseded by T27K1)	Lt. Col. Bailey
-5° to +45° w/hand wheel.	Telescope M6	Elect. Single or ripple fire.	Same as T27 Launcher except can be broken down into 2-man loads. Same employment as T27 Launcher.	Cancelled after 30 produced under limited procurement.	Lt. Col. Bailey

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4.5" ROCKET LAUNCHERS

Item No.	Item Name	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T19		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Hi-speed 2-wheel carriage w/trail.	60° w/hand wheel.
T20		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Hi-speed 2-wheel carriage w/trail.	60° w/hand wheel.
T22		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Base & trails, 2 small wheels fold to drop from aircraft.	60° w/hand wheel.
T26		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Hi-speed 2-wheel 3 parts for shipping.	60° w/hand wheel.
T27		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	8(tubes)	Ground or truck	None. By pointing launcher or vehicle.
T27E1		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	8(tubes)	Ground or truck.	None. By pointing launcher or vehicle.

4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-50 to +45° w/hand wheel.	Telescope M6	Elect.	Ground to ground firing against point targets. Provided w/shields.	Canceled	Lt. Col. Bailey
-50 to +30° w/hand wheel.	Telescope M6	Elect.	Same as T19 Launcher except max. elevation of +30°.	Canceled	Lt. Col. Bailey
-100 to +30°	Telescope	Percussion or Elect.	Provided with shields. Ground to ground against point targets.	Canceled	Lt. Col. Bailey
-15 to +45° w/hand wheel	Telescope & mount for direct or indirect	Percussion or Elect.	Ground to ground firing against point targets. Provided w/shields.	Canceled	Lt. Col. Bailey
-50 to +45° w/hand wheel.	Telescope M6	Elect. Single or ripple fire.	Ground to ground firing of 4.5" Rockets, M8 series and T22 against personnel and lightly fortified area targets.	Canceled after 500 produced under Limited Procurement Superseded by T27E1)	Lt. Col. Bailey
-50 to +45° w/hand wheel.	Telescope M6	Elect. Single or ripple fire.	Same as T27 Launcher except can be broken down into 2-man loads. Same employment as T27 Launcher.	Canceled after 300 produced under Limited Procurement.	Lt. Col. Bailey



## 4.5" ROCKET LAUNCHERS

T <sup>n</sup> No.	M <sup>n</sup> No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVEL
T27E2		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	Ground or truck.	None. By pointing launcher or vehicle.
T30	W10	LAUNCHER, ROCKET, (3-TUBE), 4.5", AIRCRAFT	4.5"	3(tubes)	Mounted under ea. wing of aircraft.	None. By pointing aircraft.
T30	W14	LAUNCHER, ROCKET, (3-TUBE), 4.5", AIRCRAFT	4.5"	3(tubes)	Mounted under ea. wing of aircraft.	None. By pointing aircraft.
T31		LAUNCHER, ROCKET, (3-TUBE), 4.5", AIRCRAFT	4.5"	3(tubes)	Mounted under ea. wing of aircraft	None. By pointing aircraft.
T33		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	4(tubes)	H1-speed 2-wheel carriage w/split trail.	45°
T34		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	60 (tubes)	Medium Tank	360° By gun turret.

## 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT NUMBER
-50 to 45°	Tele- scope M6	Elect. single or ripple fire.	Same as T27E1 except constructed of alumi- num tubing instead of steel tubing, and 24 tubes instead of 8 tubes. Same employment as T27 & T27E1.	Canceled	Lt. Col. Bailey
None. By pointing aircraft	Aircraft	Elect. single or ripple fire.	3 Plastic tube cluster for firing 4.5" Rockets from aircraft against ground targets. Launch- ers can be jettisoned.	Standard	Aircraft Arm. Dev. Div.
None. By pointing aircraft.	Aircraft	Elect.	Same as W10 Launcher except constructed w/ steel tubes.	Standard	Aircraft Arm. Dev. Div.
None. By pointing aircraft.	Aircraft	Elect.	Same as T30 Launcher except extruded plastic tubes instead of rolled plastic tubes. Same employment as T30 Launcher.	Canceled	Aircraft Arm. Dev. Div.
-25° to 45°	Direct or indirect fire.	Elect. single or ripple fire.	Ground to ground firing against area targets. This project replaced one on 3.25" Launcher T23.	Canceled	Lt. Col. Bailey
-50 to 425° linkage w/tank gun.	Tank gun equip- ment.	Elect. single or ripple fire.	Plastic tubes. Ground to ground firing of 4.5" M8 series and T22 rock- ets for barrage effect. Launcher may be jettison- ed by crew inside the tank.	Canceled	Lt. Col. Bailey



## 4.5" ROCKET LAUNCHERS

SIZE  
OF  
ROCKETNO. TUBES  
OR  
RAILSTYPE  
OF  
MOUNT

TRAVERSE

T <sup>th</sup> No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T34E1	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	60 (tubes)	Medium Tank	360° By gun turret.
T34E2	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	60 (tubes)	Medium Tank	360° By gun turret.
T35	LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Tripod	None
T35E1	ML2 LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Tripod	None
ML2A1	LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Tripod	None.
ML2A2	LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Tripod	None

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## 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +25° By linkage w/tank gun.	Tank gun equip- ment.	Elect. single or ripple fire.	Same as T34 Launcher ex- cept constructed w/mag- nesium tubes. Same em- ployment as T34 Launcher	Canceled after 850 T34 & T34E1 Launchers produced under Lim- ited Pro- curement.	Lt. Col. Bailey
-5° to +45°	Tank gun equip- ment.	Elect. single or ripple fire.	Same as T34E1 Launcher except improved firing mechanism and other mod- ifications as result of tests on T34 Launcher.	Canceled	Lt. Col. Bailey
Adjust- able Tripod	Direct peep sight.	Elect. Remote Control	Plastic tube on tripod which serves as packing case & launcher for M8 series & T22 Rockets. Can be carried by 1-man (Approx. 60 lbs.)	Superseded by Launcher Rocket T35E1 (see below)	Aircraft Arm. Dev. Div.
Adjust- able Tripod	Direct peep Sight	Elect. Remote Control	Same as T35 Launcher ex- cept tripod modified and improved. Ground to ground firing against personnel and lightly fortified targets.	Obsolete	Aircraft Arm. Dev.
Adjust- able Tripod	Direct peep sight.	Elect. Remote Control	A modification of the ML2 Launcher to permit load- ing and firing the spin- stabilized rocket M20. Same employment as the ML2 Launcher.	Limited Standard	Lt. Col. Bailey
Adjust- able Tripod	Direct peep sight.	Elect. Remote control.	Same as ML2A1 Launcher except constructed with magnesium tubing with necessary insulation. Same employment as ML2A1 Launcher.	Standard	Capt. Nelson



4.5" ROCKET LAUNCHERS		SIZE OF ROCKETS	OR RAILS	TYPE OF MOUNT	TRAVERSE
T <sup>n</sup> No.	DESCRIPTION				
T36	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	3(tubes)	1/2 ton 4x4 truck (jeep) or ground	320
T38	LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Folding legs.	None
T41	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	16 (tubes)	Portable packing crate w/ porter bars.	None
T42	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	9(tubes)	Portable packing crate w/ porter bars.	None
T44	LAUNCHER, ROCKET, MULTIPLE 4.5" (C.I.T. TYPE 6 MOD. 1)	4.5"	120 (tubes)	DUKW or LVT(4)	None. By pointing vehicle.
T45	LAUNCHER, ROCKET, AUTOMATIC, 4.5", (Navy MK VII)	4.5"	1(tube) (12 rds.) (Magazine)	Various types of land & amphib-	None. By pointing vehicle.

# 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
10° to 320	Direct firing peep sight.	Elect. single or ripple fire.	Light wt. metal tubes. Ground to ground firing against lightly fortified area targets.	Canceled	Lt. Col. Bailey
0° to 25°	----	Elect.	Plastic tube on folding legs which serves as packing case and launcher. Same as T35 except 8-ft. long.	Canceled	Aircraft Arm. Dev. Div.
0° to 45°	Panoramic telescope M4	Elect.	Intended to serve as both launcher & packing case for 4.5" spin-stabilized Rockets. Ground to ground single or ripple firing for barrage use. Expendable.	Canceled	Capt. Hopping
0° to 45°	Panoramic telescope M4	Elect.	Same as T41 Launcher except only 9 tubes.	Canceled	Capt. Hopping
Fixed angle of 45°	None	Elect. single or ripple fire at intervals of .5 sec.	For firing Navy 4.5" BR Rockets. Short range barrage effect for landing operations. Consists of 12,10-tube racks assembled in a bank and fastened together. Blast deflector to direct the gases out of the cargo space.	Developed by C.I.T. Canceled after 250 procured under Limited Procurement.	Capt. Nelson
20° to 45°	Direct	Elect. single or ripple fire at .3 sec. intervals	12 round gravity feed auto. launcher firing Navy 4.5" Rocket for short range barrage effect.	Developed by Navy Canceled after 2000 procured under Limited procurement.	Capt. Nelson



Item No.	Item No.	NOMENCLATURE	SIZE OF ROCKETS	NO. TUBES OR RAILS	TYPE OF MOUNT	REMARKS
T46		LAUNCHER, ROCKET, AUTOMATIC, 4.5"	4.5"	1(tube)	DUKW or other vehicles	None. By pointing vehicle
T46M		LAUNCHER, ROCKET, AUTOMATIC, 4.5"	4.5"	1(tube)	Cargo Carrier	None. By pointing vehicle
T47		LAUNCHER, ROCKET, AUTOMATIC, 4.5", AIRCRAFT	4.5"	Single Tube Auto.	Aircraft	None. By pointing aircraft
T48		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	Open	DUKW or other amphibious landing craft	None. By pointing vehicle

## 4.5" ROCKET LAUNCHERS

Item No.	Item No.	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	REMARKS
5° to 45°		Direct	Elect. 40 to 50 rds. min.	Semi-automatic launcher firing M3 series & T22, 4.5" rockets. Magazine holds 8 rounds and can be continuously loaded during operation. Employment in amphibious attacks. Complete installation consists of one right hand and one left hand installation.	Canceled	Capt. Hopping
-5° to 45°		Direct	Elect. 40 to 50 rds. per min.	Same as T46 except greater range of elevation & type of mounting. Intended for firing against personnel & open fortifications. Complete installation consists of one right hand and one left hand launcher.	Canceled	Capt. Hopping
None.	By pointing aircraft.	Aircraft	Elect.	Fully automatic launcher firing 4.5" M3 series & T22 Rockets from fixed aircraft installation within the plane. Magazine to hold 5 to 15 rds. Firing rate 120 rds. per min. Individual carrier & firing tubes for ea. round.	Experimental type.	Capt. Hopping
0° to 45°		Direct	Elect.	Intended for firing M3 series and T22 4.5" Rocket ammunition for long range barrage fire in landing operations. Launcher to be fired from outboard position but readily movable to an inboard position and transporting.	Canceled	Capt. Nelson

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	NOMENCLATURE	OF ROCKETS	ON RAILS	ON MOUNT	TRAVERSE
	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	5(tubes)	Packing Crate	None. By pointing launcher.
115	LAUNCHER, ROCKET, (3-TUBE), 4.5"	4.5"	3(tubes)	Mounted under ea. wing of aircraft	None. By pointing aircraft
	LAUNCHER, ROCKET, AUTOMATIC, 4.5" AIRCRAFT	4.5"	Single tube auto- matic.	Aircraft	None. By pointing aircraft
	LAUNCHER, ROCKET, (6-TUBE), 4.5", AIRCRAFT	4.5"	6(tubes) Plastic	Mounted under ea. wing of aircraft	None. By pointing aircraft
	LAUNCHER, ROCKET, (6-TUBE), 4.5" AIRCRAFT	4.5"	6(tubes) Magnes- ium	Mounted under ea. wing of aircraft	None. By pointing aircraft
	LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	28 (rails)	Firing platform in pack- ing crate for field assembly	None. By moving launcher.

4.5" ROCKET LAUNCHERS					
ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
0° to 45°	Panora- mic Tele- scope M4	Elect. single or ripple fire.	Similar to T42 Launcher but lighter wt. & only 5- tubes. Packing crate type, portable & floatable. Fir- ing 4.5" spin-stabilized rockets. Same employment as T41 Launcher.	Canceled	Capt. Palmer
None. By pointing aircraft	Aircraft	Elect.	Same as Launcher Rocket 4.5" Aircraft M10 ex- cept constructed of mag- nesium tubing instead of plastic. Same employment as M10 Launcher	Standard	Capt. Hopping
None. By pointing aircraft	Aircraft	Elect.	Similar to Launcher Rock- et, Auto, 4.5", T47. Mech- anism to hold 5 to 15 rounds. Individual carr- ier tubes are not used. Auto. rate of fire 100 to 120 rds. per min. Aircraft to ground firing of M3 ser- ies & T22 4.5" Rockets.	Experi- mental Type	Capt. Hopping
None. By pointing aircraft	Aircraft	Elect.	Same as Launcher Rocket, Aircraft, 4.5", M10 ex- cept 6 tube cluster in- stead of 3 tubes. Same employment as M10 Launcher.	Canceled	Capt. Hopping
None. By pointing aircraft	Aircraft	Elect.	Same as T60 Launcher (above) except magnes- ium tubes instead of plastic.	Canceled	Capt. Hopping
1° to 45°	Direct	Elect. single or ripple fire.	Intended to serve as both launcher & packing case for 4.5" spin-stabilized M16 series rockets. Gro- und to ground firing for barrage use. Expendable.	Experi- mental Type	Capt. Palmer



"T" No.	"Y" No.	Nomenclature	ROCKET	RAILS	MOUNT	TRAVERSE
T62E1		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	Firing Platform in pack- ing crate for Field Assembly	None. By moving launcher
T63		LAUNCHER, ROCKET, MULTIPLE, 4.5"	4.5"	58 (tubes)	2-Wheel- ed Carri- age w/ split trail.	Total 30° min.
T63E1		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	58 (tubes)	2-Wheel- ed Carri- age w/ split trail.	Total 30° min.
T66		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	2-Wheel- ed Carri- age w/ split trail.	20° Min.
T66E1		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	2-Wheel- ed Carri- age w/ split trail.	20° Min.

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
0° to +45°	Direct	Elect. single or ripple fire.	Designed for ground to ground firing of 4.5" spin-stabilized M16 series rockets against personnel and lightly fortified area targets. Similar to the T62 Launcher.	Experi- mental Type	Capt. Palmer
0° to +45°	T13 Quadrant M62 Elbow Telescope	Elect. single or ripple fire at .5 sec. intervals.	Intended for ground to ground firing spin- stabilized 4.5" rockets of M16 series against personnel and lightly fortified targets.	Superseded & Canceled by T63E1	Lt. Col. Bailey
0° to +45°	T13 Quadrant M62 Elbow Telescope	Elect. single or ripple fire at .5 sec intervals.	A modification of the T63 Launcher to im- prove stability and overall operation. Same employment as the T63 Launcher.	Canceled (Prior to Production of Pilots)	Capt. Palmer
0° to +45°	T27 Telescope Mount M62 Elbow Telescope	Elect. single or ripple fire at .5 sec. intervals.	Designed for ground to ground firing of 4.5" Spin-stabilized M16 series rockets against personnel and lightly fortified area targets.	Superseded & Canceled by T66E2 after 200 launchers procured under Lim- ited Pro- curement.	Capt. Palmer
0° to +45°	T27 Telescope Mount M62 Elbow Telescope	Elect. single or ripple fire at .5 sec. intervals.	Same as the T66 Launcher except designed to be towed when loaded with rockets. Same employ- ment as T66.	Canceled (Prior to Production of Pilots)	Capt. Palmer

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## 4.5" ROCKET LAUNCHERS

4.5" ROCKET LAUNCHERS			SIZE OF ROCKETS	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
"T" No.	"M" No.	NOMENCLATURE				
T66E2		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	2-Wheeled Carriage w/split trail.	20° min.
T72		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	60 (tubes)	Medium Tank	360° by Turret
T77		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube)	Tripod	None. By pointing launcher
T78 & T79		LAUNCHER, ROCKET, AUTOMATIC, 4.5"	4.5"	1(tube)	DUKW (Turret)	None. By pointing vehicle

## 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
0° to 45°	T27 Telescope Mount W62 Elbow Telescope	Elect. single or ripple fire at .5 sec. intervals	Same as T66 Launcher except: 1. Improved contact fingers and holding mech. 2. Improved elevating mechanism. 3. Misc. minor modifications. Same employment as the T66 Launcher.	Limited Procurement Type	Capt. Palmer
-5° to 45°	Tank Gun Mech.	Elect. single or ripple fire at .5 sec. intervals.	Ground to ground firing of 4.5" Spin-Stabilized M16 Series Rockets against personnel and lightly fortified area targets.	Experimental Type	Capt. Nelson
0° to 10° by adjusting tripod	Folding Bar Peep Sight	Elect. Remote Control	An expendable packing crate type launcher similar to the M12A2 except for construction of the tripod mount. Designed for ground to ground firing of spin-stabilized Rocket W20.	Experimental Type	Capt. Palmer
0° to 35°	None (Intended for direct fire)	Elect. Approx. 60 rounds per min.	An automatic launcher designed for firing 4.5" spin-stabilized rockets in amphibious attacks. Magazine holds 8 rounds and may be continuously loaded during operation. Complete installation consists of one right hand launcher T78 and one left hand launcher T79.	Experimental Type	Capt. Hopping

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No.	No.	NOMENCLATURE	Cal.	TRAVERSE
T81		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube) Cal. .30 or .50 Machine Gun Mount 15° right & 15° left.
T82 T83		LAUNCHER, ROCKET, AUTOMATIC, 4.5"	4.5"	1(tube) Cargo Carrier (Turret) None. By pointing vehicle.
T93		LAUNCHER, ROCKET, 4.5"	4.5"	1(tube) Tripod None. By pointing launcher.
T98		LAUNCHER, ROCKET, AUTOMATIC, 4.5"	4.5"	1(tube) 2½ ton truck or ground None. By pointing vehicle or platform
T99		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	48 (tubes) M26 Tank one 24 tube cluster on ea. side of the turret. 360° by Tank Turret

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
4.5" ROCKET -5° to +20°	M4 Mortar Sight	Elect. Remote Control	A single tube non- expendable launcher. Designed for ground to ground firing of spin- stabilized Rocket M20.	Experi- mental Type	Capt. Nelson
0° to +45°	None (Intended for Direct fire)	Elect. Approx. 60 rounds per min.	Same as T78 & T79 except for range of elevation & type of mounting. Design- ed for ground to ground firing 4.5" spin-stabili- zed rockets against per- sonnel and open fortifi- cations. Complete install- ation consists of one right hand Launcher T82 & one left hand Launcher T83.	Suspended (Pending completion of T78 & T79)	Capt. Hopping
0° to 10°(Not definitely determined	Open sight	Elect. Remote control	An expendable, packing crate type launcher de- signed for ground to ground firing of spin- stabilized Rocket M20.	Experi- mental Type	Capt. Palmer
0° to +45°		Elect. Single round or auto- matic fire	An automatic gravity fed launcher designed so that it can be fastened to a gyro-stabilized platform. Intended for barrage fir- ing of 4.5" spin-stabi- lized M16 series rockets.	Canceled (Prior to procure- ment of pilots)	Capt. Palmer
0° to +45°	Tank Gun Equip- ment	Elect. Single round or ripple fire	Designed for firing 4.5" spin-stabilized M16 ser- ies rockets against light fortifications and enemy personnel in area targets. The launcher will be pro- vided with mechanism for jettisoning at any time it is found desirable to do so.	Experi- mental Type	D.C.O. Detroit

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## 4.5" ROCKET LAUNCHERS

"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKETS	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T100		LAUNCHER, ROCKET, MULTIPLE 4.5"	4.5"	24 (tubes)	2-wheeled carriage w/split trail.	10° right and 10° left.

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## 4.5" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
0° to 45°	M62 Elbow Telescope and Mount	Elect. Selective single round or ripple fire.	Designed for ground to barrage firing of 4.5" spin-stabilized M16 series rockets against personnel and lightly fortified area targets.	Experi- mental Type	Mr. Swipp

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## 5.0" ROCKET LAUNCHERS

Item No.	Item No.	NOMENCLATURE	SIZE OF ROCKETS	NO. TUBES OR RAILS	TYPE OF MOUNT	REMARKS
171		LAUNCHER, ROCKET, MOUNTING 5.0"	5.0"	40 (tubes) not definitely determined.	2-wheeled carriage w/split trail	110° right and 110° left.
172		LAUNCHER, ROCKET, MOUNTING 5.0"	5.0"	24 (tubes)	2-wheeled carriage w/split trail	110° right and 110° left.

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## 5.0" ROCKET LAUNCHERS

DESCRIPTION	FIRE CONTROL	FIRING MECHANISM	TARGETS	STATE	REMARKS
171 to 172	Quadrant T13 Telescope W9	Elect. single or ripple fire at .5 sec. intervals	Ground to ground firing of spin-stabilized rockets against personnel and lightly fortified area targets.	Control (No pilot visible)	110° right
171 to 172	Quadrant T13 Elbow Telescope W62	Elect. Single or ripple fire at .5 sec intervals	Ground barrage firing of Navy type 5" spin-stabilized rockets against personnel and lightly fortified area targets.	Control (No pilot visible)	110° right

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7.2" ROCKET LAUNCHERS						
T No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. OF RAILS OR RAILS	TYPE OF MOUNT	TRAVERSE
T28		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	24 (rails) 3 banks of 8-rail sets ea.	2½ ton truck or ground	None. By moving vehicle or launcher
T32		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	24 (rails) 3-banks of 8-rail sets ea.	2½ ton truck or ground	None. By moving vehicle or launcher
T39		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	20 (rails) 2-banks of 10-rail sets ea.	Light Tank	360° By turret.
T40	M17	LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	20 (rails) 2-banks of 10-rail sets ea.	Medium Tank	360° By turret.
T51		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	12 (rails) 3-banks of 4-rail sets ea.	2-wheeled split trail carriage	20° Min.

7.2" ROCKET LAUNCHERS					
ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +45°	Gunner's quadrant and peep sight.	Elect. single or ripple fire at .5 sec. intervals	Ground to ground firing 7.2" Rockets with 2.25", 3.25" & 4.5" diameter motors. Can be broken down into two man loads.	Canceled	Lt.Col. Bailey
60° to 53° on ground 100° to 45° w/o storage rack. 170° to 45°, w/ storage rack.	Gunner's quadrant and peep sight.	Elect. single or ripple fire at .5 sec. intervals	Ground to ground firing of T21 series 7.2" rockets for laying down a chemical barrage.	Limited Procurement Type	Lt.Col. Bailey
50° to 25°	Tank Gun Mech.	Elect. single or ripple fire.	Ground firing 7.2" rockets for demolition purposes. Launcher can be jettisoned mechanically by crew inside tank.	Canceled	Lt.Col. Bailey
-5° to 25°	Tank Gun Mech.	Elect. single or ripple fire at .5 sec. intervals.	Ground firing of 7.2" rockets T37 for demolition of obstacles at close range. Armored against small arms fire. Can be jettisoned by crew from inside tank.	Standard	Lt.Col. Bailey
0° to 45°	Direct sighting equipment.	Elect. single or ripple fire at 1 sec. intervals	Ground firing of Rockets 7.2", T14 series. Anti-personnel or barrage weapon against fortified positions depending on ammunition used.	Canceled	Capt. Hocking

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"T" No.	"M" No.	NOMENCLATURE	ROCKET	RAILS	MOUNT	TRAVERSE
T52		LAUNCHER, ROCKET, 7.2", AIRCRAFT	7.2"	1(rail)	Under wing of aircraft	None. By pointing aircraft
T54		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	20(rails) 2 banks of 10- rail sets ea.	Channel iron supports welded to inside walls of cargo space of LVT(4).	None. By pointing vehicle
T56		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	12(rails) 3 banks of 4-rail sets each	2-wheeled split trail carriage	20° min.
T64		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	20(rails) 2 banks of 10-rail sets ea.	Armored Vehicle Engineer	360° By turret
T67		LAUNCHER, ROCKET, PROVING, 7.2"	7.2"	1(rail set)	2-wheeled split trail carriage	None. By pointing vehicle

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
7.2" ROCKET 4° adjust- ment possible	Aircraft	Elect. single or ripple fire at .10 sec. intervals	Zero-length rail launcher for Rocket, HE, 7.2", T14. To be fired from standard aircraft wing mount for Launcher, Rocket, 4.5", Aircraft, M10.	Canceled	Capt. Hopping
-5° to +45°	Quadrant and wide range periscope in cab of vehicle	Elect. ripple fire from .3 to 2 sec. intervals.	Armored launcher firing Rocket, HE, 7.2", T37, for demolition of Beach Barricades, fortifica- tions, etc. in landing operations.	Service Test Type	Capt. Nelson
0° to 45°	Direct sighting equip- ment	Mechanical single or ripple fire sel- ective	Ground firing of 7.2", T14 series rockets. Anti-personnel or barri- cade weapon against for- tified positions depend- ing on ammunition used.	Canceled	Capt. Hopping
-5° to +25°	Tank gun mech.	Elect. single or ripple fire at 1/3 to 2 sec. in- tervals	Armored Rocket Launcher similar to the T40 Laun- cher with exception of the firing panel, and other auxiliary equip- ment. Ground firing of 7.2" rockets with 2.25" & 3.25" diameter motors for demolition of obsta- cles and pillboxes.	Canceled (improve- ments built into M17) (Launcher)	Capt. Nelson
0° to 45°	None	Elect. by remote control	Intended for proof firing of 7.2", T14 series rock- ets.	Complete (proof facility only)	Capt. Palmer

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"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T73		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	10 sets of guid- ing rails in 1 bank	Medium Tank	360° By turret
T75		LAUNCHER, ROCKET, AUTOMATIC, 7.2"	7.2"	1 set of guid- ing rails	LVTAL or LVTAL (turret)	360° By turret
T76		LAUNCHER, ROCKET, 7.2"	7.2"	1 set of guid- ing rails	Medium Tank (Engineer Armored Vehicle) in place	360° By turret
T78		LAUNCHER, ROCKET, 7.2"	7.2"	1 set of guid- ing rails	Medium Tank (Engineer Armored Vehicle) in place	360° By turret

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +45°	Tank Gun Mechanism	Elect. single or ripple fire at 1/2 sec. intervals	Similar to the M27 Launcher except for 10- rail sets and heavier armor. Designed for ground firing of 7.2" rockets with 2.25", 3.25" or 4.5" diameter warheads for demolition of concrete obstacles and pillboxes.	Service Test Type	Capt. Belton
0° to 30°	LVT sighting equip- ment	Elect. Direct Control	A gravity fed launcher designed to fire the var- ious types of 7.2" demoli- tion rockets. The launch- er will hold 5 rds. & may be re-loaded during firing. The complete in- stallation consists of one right hand and one left hand launcher.	Cancelled (in place until 1944)	Capt. Hoyt
0° to 30°	Tank Gun equip- ment	Elect. Direct Control	A single round launcher designed to replace the 75mm gun in an Engineer Armored vehicle for fir- ing the various types of 7.2" demolition rockets. Relocatable from inside the tank turret in which 20 rds. may be carried.	Approved for Cancellation by 1944	Capt. Hoyt
0° to 30°	Tank Gun equip- ment	Elect. Direct Control	Same as the T76 launcher except: 1. Improved breeching mechanism. 2. Improved wiring system. 3. Modified armor protection. See employment in T76 launcher.	Approved for Cancellation by 1944	Capt. Hoyt

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"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T88		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	15(rails) 3 banks of 5 rail sets each	2-wheeled carriage w/split trail	20° min.
T89		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	10 sets of guid- ing rails in 1 bank	LVT(3)	None. By pointing vehicle
T90		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	10 sets of guid- ing rails in 1 bank	LVT(4)	None. By pointing vehicle
T91		LAUNCHER, ROCKET, 7.2"	7.2"	1(rail set)	Single rectangu- lar crate w/internal guide rails. Front legs and rear stand for ground firing.	None. By pointing crate
T92		LAUNCHER, ROCKET, 7.2"	7.2"	1(rail set)	Single rectangu- lar crate w/internal guide rails. Front legs and rear	None. By pointing crate

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ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
0° to 45°	To be deter- mined	Elect. Single or auto- matic fire.	Intended for ground fir- ing of 7.2" matched series spin-stabilized rockets.	Experi- mental Type	Capt. Hopping
-5° to	Quadrant and wide range periscope in cab of vehicle	Elect. single or ripple fire at 1/2 sec intervals	Similar to the T73 Laun- cher except for mounting 7.2" rocket with 2.25", 3.25" and 4.5" diameter motors for demolition of beach barricades, forti- fications, etc., depend- ing on ammunition used.	Experi- mental Type	Capt. Nelson
-5° to	Quadrant and wide range periscope	Elect. single or ripple fire at 1/2 sec. intervals	Same as the T89 Launcher except for mounting. Same employment as the T89 Launcher.	Experi- mental Type	Capt. Nelson
0° to	Combina- tion bar sight and T17 quad- ant	Elect. by remote control 10-cap blasting machine	An expendable, packing crate launcher for fir- ing 7.2", T69 Rocket, close range, against pillboxes, wall, etc. The launcher and rocket assembly will be packed as a complete item.	Experi- mental Type	Capt. Nelson
0° to 30°	Combina- tion bar sight and T17 quadrant	Elect. by remote control. 10-cap blasting machine.	An expendable, packing crate launcher for fir- ing the 7.2" T14 Rocket against personnel and lightly fortified posi- tions.	Experi- mental Type	Capt. Nelson

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Item No.	Item No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T94		LAUNCHER, ROCKET, AUTOMATIC, 7.2"	7.2"	1 (rail set on each side of turret)	Tank, Demolition T31 (turret)	360° By turret
T96		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	48 sets of guiding rails in 6-banks of 8 rail sets ea.	2½ ton 6x6 truck or on ground platform	None. By pointing truck or launcher
T105		LAUNCHER, ROCKET, 7.2"	7.2"	1 set of guiding rails	Medium tank in place of 75mm gun	360° by turret

7.2" ROCKET LAUNCHERS						
ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER	
15° to 30°	To be developed	To be developed	Designed to fire 7.2" demolition rockets from two firing stations on either side of the tank turret. For demolition of concrete walls and similar obstacles.	Experimental Type	O.C.O. Detroit	Direct Ficer for Jones
40° to 45°	Radiator bar type w/aiming stakes	Elect. single or automatic fire at .5 sec intervals	Designed for barrage firing of 7.2" T21 series rockets to lay down a smoke screen or chemical barrage against personnel in area targets.	Experimental Type	Capt. Nelson	for Jones
0° to 30°	Tank Gun equipment	Elect. direct control	A single round launcher designed to replace the gun in a medium tank for firing 7.2" demolition rockets with 4.5" diameter motors. Reloadable from inside the turret. Armored to protect the loaded round against small arms fire.	Experimental Type	Capt. Nelson	st. Lopping

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## 7.2" ROCKET LAUNCHERS

"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T94		LAUNCHER, ROCKET, AUTOMATIC, 7.2"	7.2"	1 (rail set on each side of turret)	Tank, Demolition T31 (turret)	360° by turret
T96		LAUNCHER, ROCKET, MULTIPLE 7.2"	7.2"	48 sets of guid- ing rails in 6- banks of 8 rail sets ea.	2½ ton 6x6 truck or on ground platform	None. By pointing truck or launcher
T105		LAUNCHER, ROCKET, 7.2"	7.2"	1 set of guid- ing rails	Medium tank in place of 75mm gun	360° by turret

## 7.2" ROCKET LAUNCHERS

TRAVERSE	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +30°	To be developed	To be developed	Designed to fire 7.2" demolition rockets from two firing stations on either side of the tank turret. For demolition of concrete walls and similar obstacles.	Experi- mental Type	C.S.O. Detroit
+20° to +45°	Radiator bar type w/aiming stakes	Elect. single or auto- matic fire at .5 sec intervals	Designed for barrage fir- ing of 7.2" T21 series rockets to lay down a smoke screen or chem- ical barrage against personnel in area tar- gets.	Experi- mental Type	Capt. Nelson
0° to +30°	Tank Gun equip- ment	Elect. direct control	A single round launcher designed to replace the gun in a medium tank for firing 7.2" demoli- tion rockets with 4.5" diameter warhead. It is located from inside the turret. Intended to protect the turret ring against small arms fire.	Experi- mental Type	Capt. Nelson

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## 8" ROCKET LAUNCHERS

"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T37		LAUNCHER, ROCKET, MULTIPLE 8"	8"	10 (rails) 2 banks of 5 rail sets ea.	2 1/2 ton 6x6 truck or ground platform	360° quick release free movement.
T53		LAUNCHER, ROCKET, 8"	8"	1 set of guid- ing rails	Portable packing crate w/ adjust- able front legs.	None. By moving launcher
T69		LAUNCHER, ROCKET, PROVING, 8"	8"	1 set of guid- ing rails	Pedestal type	None
T43		LAUNCHER, ROCKET, PROVING	2.36" to 8"	Governed by nature of test	2-wheeled split trail carriage	None. By turning carriage

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## 8" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +35°	Gunner's quadrant & peep sight	Elect. single or ripple fire at .5 sec. intervals	Ground to ground firing of 8" rockets T25 & T34. Armored against Cal. .30 M.G. Bullets. Can be dis- assembled into loads of 120 lbs. each. Ammun. rack for 10 rds. on truck.	Canceled	Lt. Col. Bailey
0° to +45° By adjust- ing legs	None	Elect. remote control	Packing crate type of launcher suitable for transporting and ground to ground firing of one Rocket, HE, 8", T25.	Canceled (After 250 procured under Limited Procure- ment.)	Capt. Nelson
0° to +45°	None	None provided. Elect. remote control will no doubt be used.	Single set of guiding rails mounted on a ped- estal base constructed of steel tubing. Used as a proof facility for testing 8" Rockets T25 and T34.	Complete (proof facility only)	Capt. Nelson
0° to +45°	None	Elect. Remote Control	General purpose launcher adaptable to proof test- ing rockets from 2.36" to 8" diameter inclusive. Mount of heavy construc- tion for stability during firing.	Complete (proof facility only)	Capt. Hopping



## 210mm ROCKET LAUNCHERS

"T" No.	"M" No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T49		LAUNCHER, ROCKET, PROVING, 210mm	210mm	1 (tube) w/3 inter- nal guide rails	Channel & angle iron base for ground mounting	None. By moving assembly
T50		LAUNCHER, ROCKET, PROVING, 210mm	210mm	1 (tube) w/3 internal guide rails	Under- side of aircraft wing	None. By pointing aircraft
T70		LAUNCHER, ROCKET, MULTIPLE, 210mm	210mm	7 (tubes)	2-wheeled split trail carriage	20° min.
T102		LAUNCHER, ROCKET, MULTIPLE 210mm	210mm	5 (tubes)	2-wheeled trailer type carriage	12° right and 12° left

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## 210mm ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
-5° to +45°	None	Elect. by remote control	Single tube on simple ground mount to provide facility for testing Rocket, HE, 210mm, T36.	Complete (proof facility only)	Capt. Belton
None By pointing aircraft	Aircraft	Elect. Same as M10 air- craft	Launcher mounted so that it may be jettisoned. Launcher to be used only for test firing Rocket, HE, 210mm, T36 from air- craft.	Complete (proof facility only)	Capt. Belton
0° to +45°	Quadrant T13 Telescope M9	Elect. single or ripple fire at .5 sec. intervals	Ground to ground firing of 210mm, spin-stabilized rockets against personnel or lightly fortified area targets.	Canceled (No pilots produced)	Lt. Col. Bailey
-5° to +45°	Sight unit M34 (T13 quadrant & M62 elbow telescope.	Elect. single or auto- matic fire.	Ground firing of 210mm spin-stabilized rockets against personnel or lightly fortified area targets.	Experi- mental Type	Capt. Palmer

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# 10" & 10-3/4" ROCKET LAUNCHERS

Project No.	Model No.	NOMENCLATURE	SIZE OF ROCKET	NO. TUBES OR RAILS	TYPE OF MOUNT	TRAVERSE
T29		LAUNCHER, ROCKET, 10"	10"	1 set of guiding rails	Truck or ground	None. Project canceled before this feature developed.
T59		LAUNCHER, ROCKET, MULTIPLE 10-3/4"	10-3/4"	30 sets of guiding rails in 10 banks of 3-rail sets ea.	Track trailer for firing behind a tank	None. By directing vehicle
T103		LAUNCHER, ROCKET, 10-3/4"	10-3/4"	1 set of "V" shaped guiding rails	75mm Pack Howitzer carriage or 105mm howitzer carriage	3° right and 3° left 22° right and 22° left

# 10" & 10-3/4" ROCKET LAUNCHERS

ELEVATION	FIRE CONTROL	FIRING MECHANISM	REMARKS	STATUS	PROJECT OFFICER
None (Project canceled before these features developed)	None	None	Ground to ground firing of 10" Rockets, T10, T10E1 and T10E2.	Canceled	Lt. Col. Bailey
Fixed elevation of 45°	None	Electrical Mechanically operated by track to fire one rocket every 15 ft. of travel. Manual control in tank turret.	A launcher to fire 10-3/4" HE Rockets for mine field clearance. Designed to clear a straight path a minimum of 20 ft. in width thru a mine field about 500 ft. in depth.	Experimental Type	Capt. Hopping
0° to 45°	To be developed	Electrical Remote control	A launcher unit prepared for assembly to the Howitzer carriage in the field. Designed to fire 10-3/4" rockets made up of Propulsion Unit, Jet, T13 with a 250 lb. HE. An incendiary bomb against personnel in fortified positions such as caves, dugouts, etc.	Experimental Type	Capt. Palmer



Item No.	Designation	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
M6	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. Simple impact type.	Fixed fins
M6A1	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. simple impact type	Fixed Fins
M6A2	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. simple impact type	Fixed Fins
M6A3	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. simple impact type	Fixed ring shroud fin
M6A3E1	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. simple impact type	Fixed ring shroud fin
M6A4	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. M400	Fixed ring shroud fin
M6A3E3	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D. M400	Fixed ring shroud fin
T7	ROCKET, HEAT, 2.36"	2.36"	1.25"	B.D.	Fixed fin

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Salvage	Fired from M1 Launcher & Anti-tank and Armored Vehicles.	Limited Standard	Capt. Sayers
Salvage	Same as M6 round except. 1. Improved ignition. 2. Reduced powder charge. 3. Obturator disc. Fired from M1A1, M9, M9A1, M18 Launchers, ground to ground. Anti-tank and armored vehicles.	Limited Standard	Capt. Sayers
Salvage	Same as M6A1 Rocket except contact ring was not removed from ogive. Fired from M1, M1A1, M9, M9A1 and M18 Launchers, ground to ground. Anti-tank and armored vehicles.	Limited Standard	Capt. Sayers
Salvage	Same as M6A1 round except: 1. Hemispherical ogive. 2. Cylindrical fins. Fired from M1A1, M9, M9A1 & M18 Launchers ground to ground. Anti-tank and armored vehicles.	Canceled	Capt. Sayers
Salvage	Same as M6A3 Rocket except cylindrical fin moved back $\frac{1}{2}$ " to improve stability. Fired from M1A1, M9, M9A1 & M18 Launchers ground to ground. Anti-tank and armored vehicles.	Standard	Capt. Sayers
Salvage	M6A3 Rocket with B.D. M400 bore riding pin fuze and necessary changes in stabilizer tube to permit use of fuze.	Canceled	Capt. Sayers
Salvage	M6A3 Rocket with EJ or EJB propellant powder.	Canceled	Capt. Sayers
Salvage	Developed as result of AAF request for armor piercing rocket. Not successful. Not made.	Canceled	Major



## 2.36" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
	M7	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed fins
	M7A1	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed fins
	M7A2	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed fins
	M7A3	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed ring shroud fin
	M7A3E1	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed ring shroud fin
	M7A4	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed ring shroud fin
	M7A3E3	ROCKET, PRACTICE, 2.36"	2.36"	1.25"	Dummy	Fixed ring shroud fin
T8		ROCKET, FRAGMENTATION, 2.36"	2.36"	1.25"	B.D.	Fixed fins
T8E1		ROCKET, FRAGMENTATION, 2.36"	2.36"	1.25"	B.D.	Fixed fins
T8E2		ROCKET, FRAGMENTATION, 2.36"	2.36"	1.25"	B.D.	Fixed fins

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## REMARKS

Practice round for M6 Rocket.

Practice round for M6A1 Rocket.

Practice round for M6A2 Rocket.

Practice round for M6A3 Rocket.

Practice round for M6A3E1 Rocket.

Practice round for M6A3E2 Rocket.

Practice round for M6A3E3 Rocket.

Special fragmentation head adopted to 2.36"  
(Bazooka) Rocket; not successful.

Slight modification of T8 Rocket.

Alternate model to T8E1 Rocket. Manufactured  
by Positive Projectile Arms Co. Head loaded  
with 80-grams of Teteryl and 125 soft steel  
rivets held in place by plastic compositionLimited  
StandardCapt.  
SayersLimited  
StandardCapt.  
SayersLimited  
StandardCapt.  
Sayers

Canceled

Capt.  
Sayers

Standard

Capt.  
Sayers

Canceled

Capt.  
Sayers

Canceled

Major  
Jones

Canceled

Major  
Jones

Canceled

Major  
Jones



## 2.36" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T12		ROCKET, HEAT, 2.36"	2.36"	1.33"	B.D. T7E2	Folding fins w/kick springs
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T12E1		ROCKET, HEAT, 2.36"	2.36"	1.33"	B.D. T7E2	Folding fins w/kick springs
T12E2		ROCKET, HEAT, 2.36"	2.36"	1.33"	B.D. T7E2	Folding fins w/kick springs
T12E3		ROCKET, HEAT, 2.36"	2.36"	1.33"	B.D. T7E2	Folding fins w/kick springs
T23		ROCKET, PRACTICE, 2.36"	2.36"	1.33"	Dummy	Folding fins w/kick springs
T23E1		ROCKET, PRACTICE, 2.36"	2.36"	1.33"	Dummy	Fin
T26		ROCKET, SMOKE, WP, 2.36"	2.36"	1.25"	B.D. Simple impact type	Fixed fins
T26E1		ROCKET, SMOKE, WP, 2.36"	2.36"	1.25"	B.D. Simple impact type	Fixed ring shroud fins

## 2.36" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION	REMARKS	STATUS	PROJECT OFFICER
Solvent Stick							Similar to M6A3 except: 1. Folding fin with kick springs. 2. One piece, heavier motor. 3. Bore safe B.D. Fuze. 4. Better all around performance. Fired from M1A1, M9 & M9A1 Launchers, ground to ground. Anti-tank, armored vehicles and anti-personnel.	Canceled	Capt. Sayers
Solvent Stick							Same as T12 except fluted ogive.	Canceled	Capt. Sayers
Solvent Stick							Same as T12 except special ogive to hold WP or solid gasoline.	Canceled	Capt. Sayers
Solvent Stick							Same as T12 Rocket except revised method of holding propellant powder sticks, i.e., different trap.	Canceled	Capt. Sayers
Solvent Stick							Practice round for T12 Rocket.	Canceled	Capt. Sayers
Solvent Stick							Same as T23 except different method of loading inert head.	Canceled	Capt. Sayers
Solvent Stick							WP filled Head with the M6A1 rocket motor. Fired from M1A1, M9 & M9A1 & M18 Launchers; Ground to ground. Anti-personnel in pill-boxed and other fortifications.	Canceled (superseded by T26E1 Rocket)	Capt. Sayers
Solvent Stick							Same as T26 except WP filled head with the M6A3 rocket motor. Same employment as T26 Rocket.	Canceled (Superseded by T26E2 Rocket)	Capt. Sayers



2.36" ROCKETS						
"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T27		ROCKET, SMOKE, HC, 2.36"	2.36"	1.25"	B.D.	Fixed fin
T27E1		ROCKET, SMOKE, HC, 2.36"	2.36"	1.25"	B.D.	Fixed ring shroud fin
T30		ROCKET, HE, 2.36"	2.36"	1.25"	B.D.	Fixed fin
T31		ROCKET, INCENDIARY, TH, 2.36"	2.36"	1.25"	B.D.	Fixed fin
T31E1		ROCKET, INCENDIARY, TH, 2.36"	2.36"	1.25"	B.D.	Fixed fin
T32		ROCKET, SMOKE, COLORED, HE, 2.36"	2.36"	1.25"	Base ignition from propellant gases	Fixed ring shroud fin
T33		ROCKET, SMOKE, COLORED, 2.36"	2.36"	1.25"	Powder time train	Fixed ring shroud fin
T59		ROCKET, HEAT, 2.36"	2.36"	2.36"	P.I.-B.D. T2000 or T2003	Folding fins w/kick springs

HE smoke filled head with the M6A1 Rocket motor. Fired from M1A1, M9, & M9A1 Launchers ground to ground. Anti-personnel and screening smoke.	Cancelled (superseded by T27E1 Rocket)	Capt. Sayers
Same as T27 Rocket except HC Smoke filled head with the M6A3 motor. Fired from M1A1, M9 & M9A1 Launchers ground to ground. Anti-personnel and screening smoke.	Cancelled	Capt. Sayers
60mm. M49A2 HE shell adapted to M6A1 rocket motor. Developed as fragmentation rocket but canceled account inferior to M6A1 Rocket.	Cancelled	Major Uhl
Thermite filled head with the M6A1 rocket motor. Fired from M1A1, M9, M9A1 Launchers ground to ground. Anti-pillbox and fortifications.	Cancelled (Superseded by T31E1 Rocket)	Capt. Sayers
Same as T31 Rocket except a metal sleeve pressed into the head to reinforce the wall. Same employment as T31 Rocket.	Cancelled	Capt. Sayers
Colored smoke filled head with the M6A2 rocket motor. Fired from M1A1, M9, & M9A1 Launchers ground to ground and ground to air. Trailing smoke for signaling.	Cancelled	Capt. Sayers
Colored smoke filled head functioned by powder time fuze with the M6A3 rocket motor. Fired from M1A1, M9, M9A1 Launchers ground to ground and ground to air. Air burst for signaling.	Cancelled	Capt. Sayers
"Super Bazooka". Note 2.36" diameter motor. Greater velocity, i.e., 540 ft. sec. Ground to ground firing against tanks, armored vehicles and personnel. Fired from M9, M9A1 & M18 Launchers.	Experimental Type	Capt. Sayers

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## 2.36" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T60		ROCKET, PRACTICE, 2.36"	2.36"	2.36"	Dummy	Folding fins w/kick springs
T66		ROCKET, SMOKE, WP, 2.36"	2.36"	1.25"	P.D. T18	Fixed ring shroud fin
T70		ROCKET, CHEMICAL, H, 2.36"	2.36"	1.25"	B.D. (simple impact type)	Fixed ring shroud fin
T71		ROCKET, CHEMICAL, CG, 2.36"	2.36"	1.25"	B.D. (simple impact type)	Fixed ring shroud fin
T72		ROCKET, CHEMICAL, AC, 2.36"	2.36"	1.25"	B.D. (simple impact type)	Fixed ring shroud fin
T73		ROCKET, CHEMICAL, CK, 2.36"	2.36"	1.25"	B.D. (simple impact type)	Fixed ring shroud fin
T76		ROCKET, HEAT, 2.36"	2.36"	2.36"	P.D. T18	Rotational

TYPE OF FILLER	REMARKS	STATUS	PROJECT OFFICER
Solvent Wafers	Practice round for T59 Rocket.	Experi- mental Type	Capt. Sayers
Solvent Stick	WP filled head with P.D. fuze and M6A3 rocket motor. Fired from M1A1, M9, & M9A1 Launchers. Anti-personnel in pillboxes and other fortifications.	Canceled	Capt. Sayers
Solvent Stick	H gas filled head with the M10 Rocket motor, fuze, and burster assembly. Fired from M1A1, M9 & M9A1 Launchers, ground to ground. Anti- personnel.	Experi- mental Type	Capt. Sayers
Solvent Stick	CG gas filled head with the M10 rocket motor, fuze and burster assembly. Fired from M1A1, M9 & M9A1 Launchers, ground to ground. Anti- personnel.	Experi- mental Type	Capt. Sayers
Solvent Stick	AC gas filled head with the M10 rocket motor, fuze and burster assembly. Fired from M1A1, M9 & M9A1 Launchers, ground to ground. Anti- personnel.	Experi- mental Type	Capt. Sayers
Solvent Stick	CK gas filled head with the M10 rocket motor, fuze and burster assembly. Fired from M1A1, M9 & M9A1 Launchers, ground to ground. Anti- personnel.	Experi- mental Type	Capt. Sayers
Solvent Wafers	Similar to T59 rocket except for type of stabilization. Intended for firing from M1A1, M9 & M9A1 Launchers against tanks, armored vehicles and personnel.	<u>Canceled</u>	Capt. Sayers

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## 3.25" ROCKETS

T <sup>n</sup> No.	M <sup>n</sup> No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
	M1	ROCKET, HE, AA, 3.25"	3.25"	3.25"	P.E.P.	Fixed fins
T1	M2	ROCKET, TARGET, AA, 3.25"	3.25"	3.25"	None	Fixed fins
	M2A1	ROCKET, TARGET, FLARE, 3.25"	3.25"	3.25"	None	Fixed fins
	M2E2	ROCKET, TARGET, SMOKE, 3.25"	3.25"	3.25"	None	Fixed fins
T5		ROCKET, HEAT, 3.25"	3.25"	3.25"	B.D.	Fin
T5E1		ROCKET, HEAT, 3.25"	3.25"	3.25"	B.D.	Fin
T6		ROCKET, HE, 3.25"	3.25"	3.25"	P.D. M52 M53	Fin
T13		ROCKET, FLARE, AIRCRAFT, 3.25"	2.5"	3.25"	Base ignition from pro- pellant	Folding fins
T19		ROCKET, CHEMICAL, 3.25"	3.25"	3.25"	P.D. M52 M53	Fin
T20		ROCKET, PRACTICE, 3.25"	3.25"	3.25"	Dummy	Fin

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REMARKS	STATUS	PROJECT OFFICER
British design, anti-aircraft barrage rocket.	Canceled	Major Uhl
Designed to simulate low flying aircraft in training A.A. Gun crews. Fins set as target.	Limited Standard	Major Uhl
Same as M2 Rocket except has flare that burns for 20 to 30 seconds. Same employment as M2 Rocket.	Standard	Capt. Sayers
Same as M2 Rocket except has smoke trailing attachment. Same employment as M2 Rocket.	Canceled	Capt. Sayers
Intended for ground firing against armored vehicles.	Canceled (Superseded by T5E1 Rocket)	Col. Skinner
Modified T5 design. Pilot model not satisfactory as regards velocity and accuracy.	Canceled	Col. Skinner
Intended for air and ground use. Design was not successful.	Canceled	Col. Skinner
To be fired from aircraft. Parachute flare shell for illumination of ground targets or water targets.	Canceled	Capt. Hopping
Intended for ground use. Based on design of T6 Rocket. Not successful.	Canceled	Col. Skinner
Practice round for T5E1 and T6 Rockets.	Canceled	Col. Skinner



## 3.5" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T43		ROCKET, HE, 3.5" (NAVY TYPE 3.5" AR MODEL 10)	3.5"	3.25"	P.D. Mk 147 or Mk 149	Fixed fins
T43E1		ROCKET, HE, 3.5"	3.5"	3.25"	P.D. Mk 147 or Mk 149	Fixed fins
T80		ROCKET, HEAT, 3.5"	3.5"	2.025"	B.D. T160	Fixed fins
T85		ROCKET, PRACTICE, 3.5"	3.5"	2.025"	Dummy	Fixed fins
T127		ROCKET, SMOKE, WP, 3.5"	3.5"	2.025"	B.D. T160	Fixed fins

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## 3.5" ROCKETS

TYPE OF ROCKET	REMARKS	STATUS	PROJECT OFFICER
Solventless Cruciform Stick	Navy design rocket for testing by A.A.F. for forward firing from aircraft zero-tail laun- chers against ground and water targets.	Canceled	Capt. Sayers
Solventless Cruciform Stick	Same as T43 except: 1. Multiple nozzle.	Canceled	Capt. Sayers
Solvent Stick	Designed for firing from a shoulder launcher similar to the "Bazooka" launcher. Anti- tank, armored vehicles, and personnel.	Service Test Type	Capt. Sayers
Solvent Stick	Practice round for T80 Rocket.	Service Test Type	Capt. Sayers
Solvent Stick	A WP companion round for the T80 Rocket. Fired from a shoulder launcher against personnel in pillboxes, caves, and similar vulnerable positions.	Experi- mental Type	Capt. Sayers



Item NO.	Item NO.	NOMENCLATURE	O.D.	O.D.	FUZE	STABILIZATION
T3		ROCKET, HEAT, 4.5"	4.5"	4.5"	B.D. T5	Folding fins
	M3 M5	ROCKET, HE, 4.5"	4.5"	4.5"	P.D.	Folding fins
	M8	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4, M4A1, M4A2	Folding fins
	M8A1	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4, M4A1, M4A2, T4	Folding fins
	M8A2	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4, M4A1, M4A2, T4	Folding fins
	M8A3	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4A1, M4A2, T4	Folding fins
	M8A3E1	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4A1, M4A2, T4	Folding fins
	M8A3E2	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4A1, M4A2, T4	Folding fins

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	Fired from single or mult. launchers. Ground to ground and fortifications.	Standard Type	Capt. Bogard
	Developed into M8 series. See M8 and later revisions.	Canceled (M3 & M5 changed to M8 (See M8))	Major Jones
	Fired from single or mult. launchers. Ground to ground and aircraft to ground. Anti-personnel & lightly fortified area targets.	Limited Standard	Capt. Bogard
	Same as M8 round except: 1. Increased strength of motor at threaded end. 2. Machined heavier threads on head. Same employment as M8 Rocket.	Limited Standard	Capt. Bogard
	Same as M8A1 round except: 1. Increased strength at base of head. 2. Length of head and motor body thread engagement increased. Same employment as M8 Rocket.	Limited Standard	Capt. Bogard
	Same as M8A2 except burrs on fins to provide greater stability. Same employment as M8 Rocket.	Limited Procurement	Capt. Bogard
	Same as M8A3 round except: 1. Thin web propellant (3.9 lbs). 2. All standard composition propellant. 3. Reduced range and velocity. Same employment as other M8 series rockets.	Canceled	Capt. Bogard
	Same as M8A3 round except: 1. Thin web propellant (3.8 lbs.). 2. All salted propellant powder. 3. Reduced range and velocity. 4. Increased operating temperature range. Same employment as other M8 series rockets.	Canceled	Capt. Bogard



T <sup>TM</sup> No.	TM <sup>TM</sup> No.	NOMENCLATURE	HEAD O.D.	O.D.	FUZE	STABILIZATION
T35		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M4A1 M4A2	Folding fins
T38		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M51A1 w/booster M21A1	Rotational
T38E1		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M51A1 w/booster M21A1	Rotational
T38E2		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. Special Fuzes	Rotational
T38E3	M16	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/booster M21A1 or P.D. M81	Rotational
T38E4		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/booster M21A1	Rotational
T38E5		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/booster M21 A1	Rotational

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Similar to T35 Rocket except: 1. Shorter motor (1.75"). 2. No burster tube in head. 3. Modified loading of motor. Same employment as M8 series and T22 Rockets.		Jones
Characteristics are similar to T22 Rocket except nozzle construction for spin-stabilization. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Canceled (Superseded by T38E3 Rocket)	Major Jones
Similar to T38 Rocket, Budd design an specifications. Same employment as T38 Rocket.	Canceled	Major Jones
Same as T38E3 Rocket except head loaded with deep booster cavity to permit use of special fuzes. Same employment as T38 Rocket.	Canceled (Superseded by M16E1)	Capt. Bogard
Same as T38 Rocket except ignition system modified to make contact by use of contact rings instead of plug type ignition. For firing from multiple ground launchers against personnel and lightly fortified area targets.	Standard	Major Jones
Same as T38 Rocket except igniter modified with contact wires extending from it to permit this round to be loaded in the M12A1 launcher. The rocket and launcher to be shipped, stored and issued as a complete assembly for ground to ground firing.	Canceled (Superseded by T38E7 Rocket)	Major Jones
Same as T38 Rocket except: 1. Loaded with thick web T2 slow burning propellant powder. 2. Revised nozzle plate and trap. 3. Wider service temperature range. 4. Reduced blast at launcher. Same employment as T38E3 Rocket.	Canceled	Capt. Hudson



## 4.5" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T38E6		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/booster M21A1	Rotational
T38E7	M20	ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/booster M21A1 or P.D. M81	Rotational
T38E8		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. Special Fuzes or P.D. M48A2 w/booster M21A1	Rotational
T39		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T39E1		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T39E2		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T39E3	M17	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy M73	Rotational
T39E4		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational

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REMARKS	STATUS	PROJECT OFFICER
Similar to T38E3 and T38E5 Rockets except: 1. Loaded with thick web T2 slow burning propellant powder. 2. Revised nozzle plate and trap. 3. Wider service temperature range. 4. Reduced blast at launcher. Same employment as T38E3 Rocket.	Designation Canceled & changed to T105	Capt. Hudson
Same components as M16 Rocket except squib wires are brought out thru a closure disc for connection to spool wires for remote firing instead of connected to the contact rings as in the M16. This round to be loaded in the M12A1 or M12A2 Launcher and shipped, stored, and issued as a complete assembly for ground to ground firing.	Standard	Major Jones
Same as T38E2 Rocket except loaded with a supplementary charge to permit use of P.D. artillery fuzes as well as special type fuzes.	Designation Canceled (combined with T38E2 under M16E1)	Capt. Bogard
Practice round for T38 Rocket.	Canceled (superseded by T39E3 Rocket.)	Major Jones
Practice round for T38E1 Rocket.	Canceled	Major Jones
Practice round for T38E2 Rocket.	Canceled (Superseded by M17E1)	Major Jones
Practice round for M16 Rocket.	Standard	Major Jones
Practice round for T38E4 Rocket.	Canceled (Superseded by T39E7)	Major Jones



## 4.5" ROCKETS

Item No.	Item No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T39E5		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T39E6		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T39E7	M21	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy M73	Rotational
T39E8		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T41		ROCKET, HP, 4.5"	4.5"	4.5"	P.D.M4A1, M4A2, T4	Folding fins
T42		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Folding fins
T46		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Folding fins
T46E1		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Folding fins
T47		ROCKET, SMOKE, WP, 4.5"	4.5"	4.5"	P.D.M4A1 w/o booster	Folding fins
T48		ROCKET, HP, 4.5"	4.5"	4.5"	P.D. M4A1 M4A2, T4	Folding fins
T48E1		ROCKET, HP, 4.5"	4.5"	4.5"	P.D.M4A1, M4A2, T4	Folding fins

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Practice round for T39E5 Rocket.	Canceled	Capt. Hudson
Practice round for T38E6 Rocket.	Designation Canceled and changed to T106	Capt.
Practice round for M20 Rocket.	Standard	Major Jones
Practice round for T38E8 Rocket.	Designation Canceled combined with T39E2 under M17E1	Capt. Bogard
Similar to M8 series and T22 Rockets except: 1. Motor constructed of seamless tubing with modified venturi. Same employment as M8 series and T22 Rockets.	Canceled	Capt. Bogard
Practice round for T41 Rocket.	Canceled	Capt. Bogard
Practice round for T22 Rocket.	Limited Procurement	Major Jones
Practice round for T22E1 Rocket.	Canceled	Major Jones
WP smoke filled head with the T22 Rocket motor. Fired from multiple launchers. Anti-personnel and smoke screens.	Canceled	Major Jones
Basically same as T22 Rocket except: 1. Cowled venturi. 2. Modified fin assembly. 3. Steel collar. Same employment as M8 series and T22 Rocket.	Canceled	Major Jones
Same as T48 Rocket except: 1. Cast aluminum collar. Same employment as M8 series and T22 Rocket.	Canceled	Major Jones



No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STANDARDIZATION
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Folding fins
	ROCKET, RP, 4.5"	4.5"	4.5"	P.D. M48A2 M51A1 w/adapter & booster M21A1	Rotational
	ROCKET, RP, 4.5"	4.5"	4.5"	P.D. M48A2 M51A1 w/o adapter	Rotational
	ROCKET, RP, 4.5"	4.5"	4.5"	P.D. M48A2 M51A1	Rotational
	ROCKET, RP, 4.5"	4.5"	4.5"	P.D. M48A2 M51A1	Rotational
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
	ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Folding fins

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DESCRIPTION	STATUS	PROJECT OFFICER
Practice round for T48 Rocket.	Canceled	Major Jones
Designed for firing from aircraft only, against personnel and lightly fortified ground targets, as well as against other aircraft. Similar to T38 Rocket except no burster tube and nozzles canted at 30 deg.	Canceled (Superseded by T122)	Capt. Hudson
Same as T54 Rocket except head designed to take M48A2 or M51A1 fuzes without use of an adapter. Same employment as T54 Rocket.	Canceled (Superseded by T122)	Capt. Hudson
Consists of T22 head with M16 motor body and T54 nozzle plate. Same employment as T54 Rocket.	Canceled (Superseded by T122)	Major Jones
Consists of M16 Rocket components with minor modification and special nozzle plate. Same employment as T54 Rocket.	Canceled (Superseded by T122)	Major Jones
Practice round for T54 Rocket.	Canceled (Superseded by T123)	Capt. Hudson
Practice round for T54E1 Rocket.	Canceled (Superseded by T123)	Capt. Hudson
Practice round for T54E2 Rocket.	Canceled (Superseded by T123)	Major Jones
Practice round for T54E3 Rocket.	Canceled (Superseded by T123)	Major Jones
Practice round for T3 Rocket.	Experimental Type	Capt. Board

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4.5" ROCKETS			HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
"T" No.	"M" No.	NOMENCLATURE				
T61		ROCKET, CHEMICAL, CG, 4.5"	4.5"	4.5"	P.D. M4A1 w/o booster	Folding fins
T62		ROCKET, SMOKE, FS, 4.5"	4.5"	4.5"	P.D.M4A1 w/o booster	Folding fins
T74		ROCKET, HE, 4.5"	4.5"	4.5"	P.D.M4A1 M4A2	Fixed fins
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T75		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Fixed fins
T78		ROCKET, SAP, 4.5"	4.5"	4.5"	B.D. T156	Fixed fins
T83		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. T38E8 or T2004	Fixed fins
T83E1		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. T38 or T2004	Fixed fins
T84		ROCKET, SMOKE, WP, 4.5"	4.5"	4.5"	P.D. T36E1	Rotational

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ROCKET	DESCRIPTION	STATUS	PROJECT OFFICER
CG gas filled head with 4.5" T22 Rocket motor.	Intended for firing from mult. launchers against personnel in area targets.	Canceled	Major Jones
FS smoke filled head with 4.5" T22 rocket motor.	Intended for firing from multiple launchers to set up smoke screen.	Canceled	Major Jones
This round is a modification of the T22 Rocket wherein a cowl to which are attached four (4) large fixed fins, is assembled to the T22 rocket motor instead of the folding fin assembly of the regular rocket. Designed to permit firing from AAF 3-ft. launching rail.		Canceled	Capt. Bogard
Practice round for T74 Rocket.		Canceled	Capt. Bogard
Designed for firing from zero-length aircraft launchers only, against general ground and water targets. Capable of functioning thru a temperature range of minus 40° to plus 130°F.		Limited Procurement Type	Major Miller
Similar to the T78 Rocket except regular HE head with P.D. fuze instead of SAP head. Designed for firing from zero-length aircraft launchers only, against ground targets vulnerable to a regular HE shell.		Limited Procurement Type	Major Miller
A modification of the T83 Rocket employing a thinner wall head, i.e., 3/16" wall. Same employment as T83 Rocket.		Experimental Type	Major Miller
WP smoke filled head with the M16 Rocket motor. Designed as a companion round for the M16 to be fired ground to ground from multiple launchers. Anti-personnel and smoke screens.		Service Test Type	Capt. Bogard



## 4.5" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T86		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Fixed fins
T87		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Fixed fins
T87E1		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Fixed fins
T89		ROCKET, ILLUMINATING, 4.5"	4.5"	4.5"	B.D. Powder Time Train	Folding fins
T90		ROCKET, ILLUMINATING, 4.5"	4.5"	4.5"	B.D. Powder Time Train	Fixed fins
T101		ROCKET, HE, 4.5"	4.5"	2.25"	P.D. Mk 137 (Navy)	Fixed ring shroud fin
T105		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/M21A1 booster	Rotational
T106		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational

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DESCRIPTION	STATUS	OFFICER
Practice round for T78 Rocket.	Limited Procurement Type	Major Miller
Practice round for T83 Rocket.	Limited Procurement Type	Major Miller
Practice round for T83E1 Rocket.	Experimental Type	Major Miller
Consists of the T22 Rocket motor and a head with a parachute flare to burn with 350,000 candlepower for 28 to 30 seconds. Designed for firing from ground or aircraft launchers for illumination of ground targets.	Canceled	Capt. Hudson
Consists of the T74 rocket motor with a head containing a parachute flare to burn for 2-minutes at 800,000 candlepower. Designed for firing from zero-length aircraft launchers for illumination of ground targets.	Experimental Type	Capt. Hudson
Consists of 4.5" Navy B.R. Mk II metal parts with a modified nozzle and trap to permit use of "T2" solvent propellant powder instead of solventless cruciform stick. Intended to have the same velocity and range as Navy MkII.	Canceled	Capt. Hudson
For the sake of clarity, the T38E6 was re-designated T105. Similar to the M16 rocket except: 1. Loaded with thick web T2 powder 2. Revised nozzle plate and trap. 3. Wider service temperature range. 4. Reduced blast at launcher.	Canceled	Capt. Hudson
Practice round for T105 Rocket.	Canceled	Capt. Hudson



## 4.5" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T108		ROCKET, SMOKE, FS, 4.5"	4.5"	4.5"	P.D. T36E1	Rotational
T109		ROCKET, DRILL, 4.5"	4.5"	4.5"	Dummy	Rotational
T110		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. M48A2 w/M21A1 booster or P.D. M81	Rotational
T112		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T113		ROCKET, SMOKE, WP, 4.5"	4.5"	4.5"	T36E1	Rotational
T114		ROCKET, SMOKE, FS, 4.5"	4.5"	4.5"	T36E1	Rotational
T115		ROCKET, SMOKE, WP, 4.5"	4.5"	4.5"	Special Type Fuzes	Rotational
T122		ROCKET, HE, 4.5"	4.5"	4.5"	P.D. T28E2 or T38E1	Rotational

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Companion round for the M16 and T84 Rockets. Same design as T84 except for FS filling of head. For firing from multiple ground launchers for screening smoke.

Consists of standard M16 rocket head and motor loaded to weight with inert material and simulated powder sticks. For crew drilling in loading, unloading, and firing launchers.

Consists of M16 Rocket parts except:  
 1. Nozzle plate with small diameter throat.  
 2. New design trap.  
 3. Thick web, T2 propellant powder.  
 Same employment as standard M16 Rocket.

Practice round for T110 Rocket.

Intended as a companion round for the T110, HE Rocket.

Intended as a companion round for the T110 and T113 Rockets.

Same as the T84 Rocket except for a fuze adapter in the head to permit the use of special fuzes. Intended for firing from multiple ground launchers against personnel.

This round superseded the T54 series for firing from aircraft against personnel and other vulnerable ground targets. Similar to the standard M16 Rocket but shorter in length and a nozzle plate with ports at a 30° cant.

Experimental Type	OFFICER
Experimental Type	Capt. Bogard
Experimental Type	Capt. Bogard
Experimental Type	Capt. Bogard
Experimental Type	Capt. Bogard
Canceled (Prior to mfg. of Exp. Rockets)	Capt. Bogard
Canceled (Prior to mfg. of Exp. Rockets)	Capt. Bogard
Experimental Type	Capt. Bogard
Experimental Type	Capt. Bogard



"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T123		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy	Rotational
T140		ROCKET, HE, 4.5"	4.5"	4.5"	P.D.M48A2 w/M21A1 booster or P.D.M31	Rotational
T141		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy M73	Rotational
T150		ROCKET, HE, 4.5"	4.5"	4.5"	P.D.M48A2 w/M21A1 booster	Rotational
T151		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy M73	Rotational
T160		ROCKET, HE, 4.5"	4.5"	4.5"	P.D.M48A2 w/M21A1 booster or P.D.M31	Rotational
T161		ROCKET, PRACTICE, 4.5"	4.5"	4.5"	Dummy M73	Rotational
T162		ROCKET, SMOKE, WP, 4.5"	4.5"	4.5"	P.D.T28E2 or T36E1	Rotational
T163		ROCKET, SMOKE, FS, 4.5"	4.5"	4.5"	P.D.T28E2 or T36E1	Rotational

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Practice	Designed as the high explosive, short range, (2500 yds.) member of the 4.5" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Experimental Type	Capt. Bogard
	Practice round for T140 Rocket.	Experimental Type	Capt. Bogard
Practice	Designed as the high explosive medium range (5000 yds.) member of the 4.5" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Experimental Type	Capt. Bogard
	Practice round for T150 Rocket.	Experimental Type	Capt. Bogard
Practice	Designed as the high explosive, long range (8200 yds.) member of the 4.5" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Experimental Type	Capt. Bogard
	Practice round for T160 Rocket.	Experimental Type	Capt. Bogard
Practice	A WP companion round for the T160. Long range member of the 4.5" matched series rockets. Intended for firing from multiple ground launchers against personnel and other vulnerable area targets.	Experimental Type	Capt. Bogard
Practice	FS smoke companion round for the T160 and T162 long range members of the 4.5" matched series rockets. Intended for firing from multiple ground launchers as a screening smoke.	Experimental Type	Capt. Bogard

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## 4.5" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T168		ROCKET, ILLUMINATING, 4.5"	4.5"	4.5"	P.D. T20	Rotational

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## REMARKS

A long range member of the 4.5" matched series rockets. Consists of the T160 Rocket motor with a parachute flare head. The flare is of 1,000,000 candlepower with one minute burning time. Fired from the same ground launchers as T160, T162 and T163 rockets.

STATUS

Experimental  
TypePROJECT  
OFFICERCapt.  
Hudson



## 7.2" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T14		ROCKET, HE, 7.2"	7.2"	7.2"	P.D. M4A1 M4A2	Fixed fins
T15		ROCKET, SMOKE, WP, 7.2"	7.2"	7.2"	P.D. (Not deter- mined)	Fixed fins
T16		ROCKET, HEAT, 7.2"	7.2"	7.2"	B.D. (Not deter- mined)	Fixed fins
T17		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Fixed fins
T21		ROCKET, CHEMICAL, CG, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1	Fixed ring shroud fin
T24		ROCKET, HE, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1.	Fixed ring shroud fin
T28		ROCKET, HE, 7.2"	7.2"	4.5"	P.D. M4A1 M4A2 or Mk 137	Fixed ring shroud fin
T37		ROCKET, HE, 7.2"	7.2"	2.25"	B.D. Mk 146	Fixed ring shroud fin

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## REMARKS

REMARKS	STATUS	PROJECT OFFICER
Designed for firing from ground launchers against personnel and lightly fortified area targets.	Limited Procurement Type	Capt. Hopping
WP filled head with T14 rocket motor. Intended for ground firing from multiple launchers. Anti-personnel and screening smoke.	Canceled (Prior to production of Pilot Models)	Capt. Hopping
Shaped charge, Pentolite loaded head with the T14 rocket motor. Intended for ground firing against tanks and armored vehicles.	Canceled (Prior to Production of Pilot Models)	Capt. Hopping
Practice round for T14 Rocket.	Limited Procurement Type	Capt. Hopping
CG gas filled head adapted to a 3.25" diameter motor. Designed for firing a chemical barrage from multiple ground launchers against enemy personnel.	Limited Procurement Type	Capt. Sayers
Similar to T21 Rocket except HE filled head adapted to a 3.25" diameter motor. Designed as a companion round for the T21 Rocket and intended for ground firing against personnel.	Experimental Type	Capt. Sayers
Designed for Fragmentation, 7.2", HE filled head adapted to a 4.5" T22 Rocket motor. Intended for firing from multiple ground launchers against personnel in area targets.	Canceled	Major Jones
Navy components Mk 3 Motor & Mk 5 head, B.D. fuze. Head loaded with composition C2 HE (Plastic). Fired from multiple ground launchers for demolition of fortifications, etc.	Limited Procurement	Capt. Sayers



## 7.2" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T40		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	Dummy	Fixed ring shroud fin
T44		ROCKET, PRACTICE, 7.2"	7.2"	2.25"	Dummy	Fixed ring shroud fin
T44E1		ROCKET, PRACTICE, 7.2"	7.2"	2.25"	Dummy	Fixed ring shroud fin
T50		ROCKET, SMOKE, WP, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1	Fixed ring shroud fin w/4 blades
T51		ROCKET, SMOKE, FS, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1	Fixed ring shroud fin w/4 blades
T52		ROCKET, CHEMICAL, CK, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1	Fixed ring shroud fin w/4 blades
T53		ROCKET, CHEMICAL, AC, 7.2"	7.2"	3.25"	P.D. Mk 147 Mod. 1	Fixed ring shroud fin w/4 blades
T57		ROCKET, HE, 7.2"	7.2"	4.5"	B.D. Mk 146 modified	Fixed ring shroud fin w/4 blades
T57E1		ROCKET, HE, 7.2"	7.2"	4.5"	B.D. Mk 146 Modified	Fixed ring shroud fin w/4 blades
T58		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	Dummy	Fixed ring shroud fin w/4 blades

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REMARKS	STATUS	PROJECT OFFICER
Practice round for T28 Rocket.	Canceled	Major Jones
Practice round for T37 (Navy components). Modified Navy Rocket Body Mk 5.	Limited Procurement Type	Capt. Sayers
Practice round for T37 (Navy components). Regular Navy Rocket Body Mk 5.	Limited Procurement Type	Capt. Sayers
WP filled head adapted to 3.25" Rocket motor. Intended for firing from multiple ground launchers against personnel and for screen- ing smoke.	Experimental Type	Capt. Sayers
FS smoke filled head adapted to 3.25" rocket motor. Intended for firing from multiple ground launchers against personnel and for screening smoke.	Experimental Type	Capt. Sayers
CK gas filled head adapted to 3.25" rocket motor. Intended for firing a chemical barrage from multiple ground launchers.	Experimental Type	Capt. Sayers
AC gas filled head adapted to 3.25" rocket motor. Intended for firing a chemical barrage from multiple ground launchers.	Experimental Type	Capt. Sayers
T37 Rocket head, composition C2, loaded, ad- apted to 4.5" T22 Rocket motor with large fixed fins. Designed for firing from multi- ple ground launchers for demolition of con- crete obstacles, etc.	Canceled (Superseded by T57E1)	Major Jones
A modification of the T57 Rocket using salted "T1" thin web propellant powder to reduce burn- ing and improve accuracy. Same employment as T57 Rocket.	Canceled	Major Jones
Practice round for T57 Rocket.	Canceled (Superseded by T58E1)	Major Jones



## 7.2" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T58E1		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	Dummy	Fixed ring shroud fin w/4 blades
T63		ROCKET, HE, 7.2"	7.2"	7.2"	B.D. (Not deter- mined)	Fixed fins
T69		ROCKET, HE, 7.2"	7.2"	2.25"	B.D. Mk 146	Fixed ring shroud fin
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T79		ROCKET, CHEMICAL, DDT, 7.2"	7.2"	3.25"	Powder Train Fuze Initiated by pro- pellant gases.	Fixed ring shroud fin w/4 blades
T81		ROCKET, HE, 7.2"	7.2"	7.2"	P.D. M57 Modified	Rotational
T81E1		ROCKET, HE, 7.2"	7.2"	7.2"	P.D. M57 Modified	Rotational
T82		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational
T82E1		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational

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## REMARKS

REMARKS	STATUS	PROJECT OFFICER
Practice round for T57E1 Rocket.	Cancelled	Major Jones
Intended for firing from multiple ground launchers for demolition of light fortifi- cations. Composition C2 (plastic) loaded head. Greater velocity and range expected from 7.2" motor.	Cancelled (Prior to Production of Pilot Models)	Capt. Hopping
A shaped charge, PTX-2 loaded head, adapted to the 2.25" diameter motor. Intended for ground firing from crate type and multiple launchers for demolition of fortifications and particularly concrete obstacles.	Experimental Type	Capt. Sayers
A 7.2" diameter DDT filled head adapted to the 3.25" T21 rocket motor. Intended for fir- ing from ground launchers to decontaminate areas where our troops are attacking.	Cancelled	Capt. Sayers
Rotationally stabilized rocket of 7.2" dia- meter throughout. Designed for firing from multiple ground launchers against personnel and lightly fortified targets.	Cancelled (Superseded by T81E1)	Capt. Hopping
A modification of the T81 Rocket design to improve external ballistics and add contact springs at rear of the motor. Same employment as the T81 Rocket.	Designation Cancelled (Redesignated T190)	Capt. Hopping
Practice round for T81 Rocket.	Cancelled (Superseded by T81E1)	Capt. Hopping
Practice round for T81E1 Rocket.	Designation Cancelled (Redesignated T191)	Capt. Hopping



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## 7.2" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T88		ROCKET, SMOKE, FS, 7.2"	7.2"	2.25"	B.D. Mk 146	Fixed ring shroud fin
T99		ROCKET, SMOKE, FS, 7.2"	7.2"	7.2"	To be deter- mined.	Rotational
T100		ROCKET, HE, 7.2"	7.2"	2.25"	B.D. ML46	Fixed ring shroud fin
T102		ROCKET, INCENDIARY, 7.2"	7.2"	2.25"	B.D. ML46 w/ special burster assembly	Fixed ring shroud fin
T103		ROCKET, HE, 7.2"	7.2"	4.5"	B.D. T2007	Fixed ring shroud fin w/4 blades
T103E1		ROCKET, HE, 7.2"	7.2"	4.5"	B.D. T24	Fixed ring shroud fin w/4 blades
T107		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	B.D. M62 Modified	Rotational

## REMARKS

REMARKS	STATUS	PROJECT OFFICER
less An FS smoke filled rocket using T37 rocket components. Designed for firing from multiple ground launchers for screening purposes.	Experimental Type	Capt. Sayers
less Spin-stabilized rocket of 7.2" diameter throughout. Designed for firing from multiple ground launchers for screening purposes.	Designation Canceled (Redesignated T193)	Capt. Hopping
less A fibre head with a copper nose filled with C2 plastic explosive and Pentolite. Designed for firing from existing launchers for demolition of fortifications and obstacles.	Experimental Type	Capt. Sayers
less A rocket consisting of T37 rocket components with a unit burster assembly and PT-1 loaded head. Intended for firing from multiple launchers for destruction of vulnerable fortifications, buildings, etc.	Experimental Type	Capt. Sayers
less A special "crush-up" design head with C2 plastic explosive filling and an ML6 Rocket motor with a straight nozzle and fixed fins. For firing from single or multiple launchers for demolition of concrete obstacles and fortifications.	Experimental Type	Capt. Sayers
less Same as the T103 Rocket except with a special adapter to use T24 Fuze. Same employment as T103 Rocket.	Experimental Type	Capt. Sayers
less Designed as a demolition rocket with an HE filled head and 4.5" spin-stabilized motor. Intended for firing from present demolition launchers for destruction of obstacles and fortifications.	Canceled	Capt. Sayers



T <sup>m</sup> No.	Head No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T124		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	Dummy	Fixed ring shroud fin w/4 blades
T124E1		ROCKET, PRACTICE, 7.2"	7.2"	4.5"	Dummy	Fixed ring shroud fin w/4 blades
T125		ROCKET, HE, 7.2"	7.2"	7.2"	To be deter- mined	Rotational
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T126		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational
T170		ROCKET, HE, 7.2"	7.2"	7.2"	P.D. to be deter- mined.	Rotational
T171		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational
T174		ROCKET, CHEMICAL, CG, 7.2"	7.2"	7.2"	To be deter- mined	Rotational
T180		ROCKET, HE, 7.2"	7.2"	7.2"	To be deter- mined.	Rotational

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Practice round for T103E1 Rocket.	Experimental Type	Capt. Sayers
A short 7.2" diameter full length spin-stabilized demolition rocket. Designed for firing from current launchers for destruction of concrete obstacles, fortifications, buildings, etc.	Experimental Type	Capt. Sayers
Practice round for T125 Rocket.	Experimental Type	Capt. Sayers
A full length 7.2" diameter rocket designed as the short range (3000 yds) high explosive member of the 7.2" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Experimental Type	Capt. Hopping
Practice round for T170 Rocket.	Experimental Type	Capt. Hopping
A CG chemical filled head with 7.2" spin-stabilized motor. Designed as a short range (3000 yd) member of the 7.2" matched series rockets. Intended for firing a chemical barrage from multiple ground launchers.	Experimental Type	Capt. Hopping
A full length 7.2" diameter rocket designed as the high explosive, medium range (6000 yds) member of the 7.2" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified area targets.	Experimental Type	Capt. Hopping

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## 7.2" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T181		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational
T184		ROCKET, CHEMICAL, CG, 7.2"	7.2"	7.2"	To be deter- mined.	Rotational
T189		ROCKET, INCENDIARY, 7.2"	7.2"	7.2"	To be deter- mined.	Rotational
T190		ROCKET, HE, 7.2"	7.2"	7.2"	P.D. M57 Modified	Rotational
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T191		ROCKET, PRACTICE, 7.2"	7.2"	7.2"	Dummy	Rotational
T193		ROCKET, SMOKE, FS, 7.2"	7.2"	7.2"	To be deter- mined.	Rotational

REMARKS	STATUS	PROJECT OFFICER
Practice round for T180 Rocket.	Experimental Type	Capt. Hopping
CG chemical filled head with 7.2" spin-stabilized motor. Designed as a medium range (6000 yd) member of the 7.2" matched series rockets. Intended for firing a chemical barrage from multiple ground launchers.	Experimental Type	Capt. Hopping
A PT-1 filled head with a 7.2" spin-stabilized motor. Designed as a medium range (6000 yd) member of the 7.2" matched series rockets. Intended for firing from multiple ground launchers.	Experimental Type	Capt. Hopping
Formerly "Rocket, HE, 7.2", T81E1". The high explosive, long range (10,000 yd) member of the 7.2" matched series rockets. Intended for firing from multiple ground launchers against personnel and lightly fortified targets.	Experimental Type	Capt. Hopping
Practice round for T190 Rocket. Formerly "Rocket, Practice, 7.2", T82E1."	Experimental Type	Capt. Hopping
FS smoke filled head with 7.2" spin-stabilized motor. Designed as a long range (10,000 yd) member of the 7.2" matched series rockets. Intended for firing from multiple ground launchers for screening purposes.	Experimental Type	Capt. Hopping



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## 8" ROCKETS

"T" No.	"M" No.	NOMENCLATURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T25		ROCKET, HE, 8"	8"	4.5"	P.D. T20	Fixed Box Fin
T25E1		ROCKET, HE, 8"	8"	4.5"	Bomb Fuze ML10A1	Fixed Box Fin
T34		ROCKET, INCENDIARY, 8"	8"	4.5"	P.D. T20	Fixed Box Fin

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## 8" ROCKETS

TYPE OF FINDER	REMARKS	STATUS	PROJECT OFFICER
Solvent Stick	100 lb. HE bomb adapted to a T22, 4.5" rocket motor with large fixed box fin. Intended for firing from single or multiple launchers, ground to ground for demolition of pillboxes, dugouts, and concrete obstacles.	Canceled (after Limited Procurement of 250 rounds)	Capt. Bogard
Solvent Stick	Same as T25 Rocket except unmodified bomb loading and bomb nose fuze. Intended for firing from ground launchers for reducing, pillboxes, concrete obstacles, etc.	Canceled	Capt. Bogard
Solvent Stick	Same as T25 Rocket except shell loaded with incendiary instead of HE. Intended for firing from ground launchers to reduce pillboxes, fortifications, etc.	Canceled	Capt. Bogard



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## 210mm ROCKETS

"T" No.	"M" No.	NOMENCALTURE	HEAD O.D.	MOTOR O.D.	FUZE	TYPE OF STABILIZATION
T36		ROCKET, HE, 210mm	210mm	210mm	P.D. M151A1	Rotational
T45		ROCKET, PRACTICE, 210mm	210mm	210mm	Dummy	Rotational

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## 210mm ROCKETS

TYPE OF POWDER	REMARKS	STATUS	PROJECT OFFICER
Solventless Stick	Patterened after design of 21cm. German rocket. Intended for firing from single or multiple launchers, ground to ground or air to ground against personnel and lightly fortified targets.	Experimental Type	Capt. Bogard
Solventless Stick	Practice round for T36 Rocket.	Experimental Type	Capt. Bogard







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10" and 10-3/4" ROCKETS

TYPE OF POWDER	REMARKS	STATUS	PROJECT OFFICER
Solvent Stick	Intended for ground to ground firing for demolition of concrete obstacles and heavy fortifications.	Canceled	Major Jones
Solvent Stick	Similar to T10 Rocket except has reduced weight in head and increased propellant resulting in greater velocity and range. Same employment as T10 Rocket.	Canceled	Major Jones
Solvent Stick	Same as T10 Rocket except reduced weight and HEAT head employing hollow charge principal. Intended for ground to ground firing against heavy fortifications.	Canceled	Major Jones
Solvent Stick	Designed for firing from the T59 ground launcher for clearing mine-fields. Cast TNT loaded shell with 4.5" rocket motor with large fixed fin.	Experimental Type	Capt. Hopping

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